

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
22 September 2005 (22.09.2005)

PCT

(10) International Publication Number
WO 2005/088717 A2

(51) International Patent Classification⁷: **H01L 27/00**

(74) Agent: **WINCKELS, J.H.F.**; Johan de Wittlaan 7,
NL-2517 JR Den Haag (NL).

(21) International Application Number:
PCT/NL2005/000166

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 7 March 2005 (07.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
04075849.2 16 March 2004 (16.03.2004) EP

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): **NED-ERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO** [NL/NL]; Schoemakerstraat 97, NL-2628 VK Delft (NL).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **VAN MOL, Antonius, Maria, Bernardus** [NL/NL]; Grasbeemd 40, NL-5658 HC Eindhoven (NL). **GROB, Frank, Theodorus, Johannes** [NL/NL]; Kootwijkstraat 40, NL-5651 AS Eindhoven (NL). **LINDEN, Joannes, Leonard** [NL/NL]; Schalmstraat 13, NL-5614 AC Eindhoven (NL).

Published:

— *without international search report and to be republished upon receipt of that report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FLEXIBLE ORGANIC ELECTRONIC DEVICE AND METHODS FOR PREPARING THE SAME

(57) Abstract: The invention provides a method for preparing a flexible organic electronic device comprising at least a first electrode comprising a transparent conductive oxide layer, an organic active layer, a second electrode and a polymeric substrate layer, whereby the transparent conductive layer is applied on a removable substrate layer or one or more transparent layers previously applied onto the removable substrate layer at a temperature of at least 250°C, and the removal carrier is removed when the polymeric substrate layer has been applied. The invention further provides a flexible organic electronic device obtainable by said method.



WO 2005/088717 A2